SBR No: AEE/SSD/ABR/08/08-06-2022-23,
Dated: 08-06-2022.

Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

No.1st and Final Bill (For Other Works) Date.....20.....

Division-Dasarahalli Division
Bill Received No.53.....Dated.08-06-2022.....Cash Book Voucher No.....dated.....
Scheduled Docket No..... Head of Account:

Name of Work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagara And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Job Code: 013-20-000130

Work Order No: EE/DD/W.O/145/2020-21 **Date:**10.12.2020

Contractor and Full Address: Sri. R Shivaram

Certified that the measurements were taken by me on.....15/03/2022 to 15/03/2022.....and recorded in pages.63435 TO 63444
Of measurement Book No...635/17-18..... and that the work is satisfactorily executed.

Contractor

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Officer-in-charge of work
ವಾರ್ಡ್ ನಂ.13, ಶೆಟ್ಟಿಹಳ್ಳಿ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Certified that the measurements were taken by me on..15/3/22..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Sub-Division Officer
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in /Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date.....less adjustments
7) Net amount due to or from contractor
Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied

Memorandum Paid
EXECUTIVE ENGINEER
Gruhat Bengaluru Mahanagara Palike
Dasarahalli Division, Bengaluru-73.

Final Bill → 402814=00
IT → 40218=00
Lwe → 40218=00
CBF → 4022=00
Roy → 95515=00
CGST → 35909=00
SGST → 35909=00
Rnge → 5550=00
(-)257341=00
NET → 37,64,473=00

Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses:

1.

2.

Dated.....Signature of Contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Audited and admitted for Rs. 402814=00
Passed by Cheque for Rs. 37,64,473=00 (For use in the Office)
(Thirty Seven lakh SIXTY Four thousand four hundred and seventy three only)
by adjustment Rs. 2,57,341/=

Accounts Superintendent Exe. Engineer
B.B.M.P. Dasarahalli Division

Initials of Officer Making Payment

Executive Engineer

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Name of work: Improvemnets To Roads At 1st,2nd,3rd,4th Cross,1st Main Road Kalyana Nagara, 15th C Cross Prashanth Nagar And Surrounding Area In Ward No 13 Shettyhalli Sub-Division

Estimate Cost: 45.00 Lakhs

Job Code: 013-20-000130

AS No:EE/DD/AS/14/2020-21, **Date:**22.04.2020

TS No:CE/DZ/TS/32/2020-21, **Date:**06.05.2020

Work Order No: EE/DD/W.O/145/2020-21 **Date:**10.12.2020

Name of the Contractor: Sri. R Shivaram

ABSTRACT

Sl No	Description of Item	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate in Rs.	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.	Cum	550.26	129.12	71049.57	-	-	547.55	129.12	70699.66	547.55	70699.66
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	69.66	5162.24	359601.64	-	-	69.47	5162.24	358620.81	69.47	358620.81
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm	Cum	85.45	6736.49	575633.07	-	-	85.41	6736.49	575363.61	85.41	575363.61

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Sl No	Description of Item	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate in Rs.	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3- **TMT Bars Fe 500**	Tonne	4.20	67770.38	284635.60	-	-	4.19	67770.38	283957.89	4.19	283957.89
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)	Sqm	180.00	1513.26	272386.80	-	-	180.00	1513.26	272386.80	180.00	272386.80
	Qty Above 125%		125.10	1513.42	189328.84	-	-	125.10	1513.42	189328.84	125.10	189328.84
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	31.11	4583.46	142591.44	-	-	31.11	4583.46	142591.44	31.11	142591.44
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. – do – cement mortar 1:3 (P.No-255,I No-27.34.13.1 PWD 2018-19)	Sqm	55.20	144.83	7994.62	-	-	55.20	144.83	7994.62	55.20	7994.62

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Sl No	Description of Item	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate in Rs.	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
8	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3	Sqm	797.40	89.39	71279.59	-	-	795.15	89.39	71078.46	795.15	71078.46
9	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202	Cum	31.35	892.90	27992.42	-	-	31.25	892.90	27903.13	31.25	27903.13
10	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm	1006.40	5.96	5998.14	-	-	1005.76	5.96	5994.33	1005.76	5994.33
11	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406	Cum	230.70	1875.20	432608.64	-	-	230.62	1875.20	432458.62	230.62	432458.62

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Sl No	Description of Item	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate in Rs.	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
12	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to	Cum	31.35	5016.72	157274.17	-	-	31.25	5016.72	156772.50	31.25	156772.50
13	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	209.00	67.54	14115.86	-	-	208.28	67.54	14067.23	208.28	14067.23
14	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH	Sqm	797.40	26.82	21386.27	-	-	795.15	26.82	21325.92	795.15	21325.92

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Sl No	Description of Item	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate in Rs.	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
15	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500 10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	51.98	6181.80	321329.96	-	-	51.98	6181.80	321329.96	51.98	321329.96
16	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501	Sqm	1639.30	4.97	8147.32	-	-	1639.08	4.97	8146.23	1639.08	8146.23
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH	Sqm	1639.30	11.92	19540.46	-	-	1639.08	11.92	19537.83	1639.08	19537.83

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Sl No	Description of Item	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate in Rs.	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
18	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. Clause 507 of MORTH V Version as per IRC SP-53-2015,do-Using 40 60 TPH Capacity HMP With Mechanical Paver Grading II (30-45mm) with 5.4% of Modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (Waste Plastic)	Cum	65.58	7265.40	476464.93	-	-	65.57	7265.40	476392.28	65.57	476392.28
19	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH - 100/ Chapter 1	Cum	629.46	53.41	33619.46	-	-	626.51	53.41	33461.90	626.51	33461.90
20	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH - 100/ Chapter 1 Case-I : Surface Road	t.km	629.46	23.99	15100.75	-	-	626.51	23.99	15029.97	626.51	15029.97

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Sl No	Description of Item	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate in Rs.	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
E-1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 (Page No.139, Item No.18.19, KPWD SR 2018-19)	Cum	22.50	1578.40	35514.00	-	-	22.47	1578.40	35466.65	22.47	35466.65
E-2	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate)	Sqm	4.32	5077.21	21933.55	-	-	4.32	5077.21	21933.55	4.32	21933.55

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Sl No	Description of Item	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate in Rs.	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
E-3	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface: Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC: 35. The finished surface to be level, uniform and free from streaks and holes complete with all lead and lift and as per direction of engineer incharge of work (Page No.182,Item No.24.15, KPWD 2018-19 SR)	Sqm	68.20	426.14	29062.75	-	-	68.20	426.14	29062.75	68.20	29062.75
	Total				**3594590.00**					**3590905.00**		**3590905.00**
	GST Charges 12%				**431351.00**					**430909.00**		**430909.00**
	Grand Total				**4025941.00**					**4021814.00**		**4021814.00**

CERTIFICATE

1 Certified that the work done is satisfactorily.
2 There is no departmental issues by BBMP

Assistant Engineer
Ward No-13
ವಾರ್ಡ್ ನಂ.13, ಶೆಟ್ಟಿಹಳ್ಳಿ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

Asst. Executive Engineer
Shettyhalli Sub-Division
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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